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<p>Substitute for form 1449/A/B/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p>(Use as many sheets as necessary)</p>				<p><i>RECEIVED NOV 18 2003 TECH CENTER 1600 JMF</i></p>
				<p><b>Complete if Known</b></p>
Application Number		Unassigned		
Filing Date		August 20, 2001		
First Named Inventor		Zaleski		
Group Art Unit		Unassigned 1624		
Examiner Name		Unassigned		
Attorney Docket Number		212691		

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**U.S. PATENT DOCUMENTS**

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**FOREIGN PATENT DOCUMENTS**

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**OTHER - NON PATENT LITERATURE DOCUMENTS**

OTHER - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Doc. No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.		
			Translation	
			Yes	No <sup>**</sup>
<i>[Signature]</i>	AD	Nicolaou et al. "Molecular Design and Chemical Synthesis of Potent Enediyynes" <i>Chem. Abst.</i> , Vol 117: 233658v and 233659w, page 835 (1992)		
<i>[Signature]</i>	AE	Search report for international patent application no. PCT/US00/04915 dated August 15, 2000 <i>not citable; not published</i>		

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## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Attorney Docket Number	212691

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**U.S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

## OTHER - NON PATENT LITERATURE DOCUMENTS

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**Date Considered**

6-27-04

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Substitute for form 1449A/B/PTO <i>NOV 10 2003</i> <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b> Application Number 09/913,924 Filing Date August 20, 2001 First Named Inventor Jeffrey M. ZALESKI Group Art Unit Unassigned Examiner Name Unassigned Attorney Docket Number 212691	
Sheet	1	of	7		

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U.S. PATENT DOCUMENTS						
Examiner Initials	Doc. No.	U.S. Patent Document		Name of Patentee or Applicant	Date of Publication	class [ ] 246 1514 [ ] 332
		Application or Patent Number	Kind Code			
RR	AF	09/902,388		Zaleski et al.	02/04/2003	
		6,514,995				

FOREIGN PATENT DOCUMENTS							
Examiner Initials	Doc. No.	Foreign Patent Document			Name of Patentee or Applicant	Date of Publication	Translation
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OTHER - NON PATENT LITERATURE DOCUMENTS						
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						Yes No*
RR	AG	ALI et al., "Metal Complexes as Photo- and Radiosensitizers," <i>Chem. Rev.</i> , 99, 2379-2450 (1999)				
RR	AH	BASAK et al., "The Synthesis and Reactivity of Novel Azetidinyl Enediynes," <i>Chem. Commun.</i> , 749-750 (1996)				
RR	AI	BERGMAN, "Reactive 1,4-Dehydroaromatics," <i>Accounts of Chemical Research</i> , 6, 25-31 (1973)				
RR	AJ	BONADIES et al., "Vanadium Phenolates as Models for Vanadium in Biological Systems. 1. Synthesis, Spectroscopy, and Electrochemistry of Vanadium Complexes of Ethylenebis [(o-hydroxyphenyl)glycine] and Its Derivatives," <i>J. Am. Chem. Soc.</i> , 108, 4088-4095 (1986)				
RR	AK	BONNETT, "Photosensitizers of the Porphyrin and Phtalocyanine Series for Photodynamic Therapy," <i>Chem. Soc. Reviews</i> , 24, 19-33 (1995)				
RR	AL	BOYLE et al., "Structure and Biodistribution Relationships of Photodynamic Sensitizers," <i>Photochemistry and Photobiology</i> , 64 (3), 469-485 (1996)				
RR	AM	BRANCA et al., "Formation and Structure of the Tris(catecholato)vanadate(IV) Complex in Aqueous Solution," <i>Inorg. Chem.</i> , 29, 1586-1589 (1990)				
RR	AN	CHAPMAN et al., "9,10-Dehydroanthracene. A Derivative of 1,4-Dehydrobenzene," <i>J. Am. Chem. Soc.</i> , 98 (18), 5703-5705 (1976)				
RR	AO	CHRISTNER et al., "Unmasking the Chemistry of DNA Cleavage by the Esperamicins: Modulation of 4'-Hydrogen Abstraction and Bistranded Damage by the Fucose-Anthraniilate Moiety," <i>J. Am. Chem. Soc.</i> , 114, 8763-8767 (1992)				
RR	AP	CHURCHER et al., "Synthesis of the Enediyne Aglycon (+)-Calicheamicinone," <i>J. Am. Chem. Soc.</i> , 120, 3518-3519 (1998)				

Examiner Signature	<i>R. Rapsys</i>	Date Considered	6-27-04
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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2 of 7

Compl. te if Known

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Filing Date	August 20, 2001
First Named Inventor	Jeffrey M. ZALESKI
Group Art Unit	Unassigned
Examiner Name	Unassigned

Attorney Docket Number

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U.S. PATENT DOCUMENTS						
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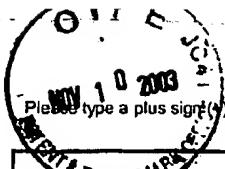
FOREIGN PATENT DOCUMENTS							
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		Yes	No**			
RR	AQ	CUMMINGS et al., "Luminescent Platinum (II) Complexes of Quinoxaline-2,3-dithiolate," <i>Inorg. Chem.</i> , 34, 2007-2014 (1995)				
RR	AR	CUMMINGS et al., "Tuning the Excited-State Properties of Platinum (II) Diimine Dithiolate Complexes," <i>J. Am. Chem. Soc.</i> , 118, 1949-1960 (1996)				
RR	AS	DAI et al., "Synthesis and DNA Clavage Study of a 10-Membered Ring Enediyne Formed via Allylic Rearrangement," <i>J. Org. Chem.</i> , 64, 682-683 (1999)				
RR	AT	EVENZAHAV et al., "Photochemical Rearrangement of Endiynes: Is a "Photo-Bergman" Cyclization a Possibility?" <i>J. Am. Chem. Soc.</i> , 120, 1835-1841 (1998)				
RR	AU	FUNK et al., "Photochemical Cycloaromatization Reactions of <i>ortho</i> -Dialkynylarenes: A New Class of DNA Photocleaving Agents," <i>J. Am. Chem. Soc.</i> , 118, 3291-3292 (1996)				
RR	AV	GOLIK et al., "Esperamicins, a Novel Class of Potent Antitumor Antibiotics. 2. Structure of Esperamicin X," <i>J. Am. Chem. Soc.</i> , 109, 3461-3462 (1987)				
RR	AW	GOLIK et al., "Esperamicins, a Novel Class of Potent Antitumor Antibiotics. 3. Structures of Esperamicins A1, A2, and A1b," <i>J. Am. Chem. Soc.</i> , 109, 3462-3464 (1987)				
RR	AX	HANGELAND et al., "Specific Abstraction of the 5'(S)- and 4'-Deoxyribosyl Hydrogen Atoms from DNA by Calicheamicin $\gamma_1$ ," <i>J. Am. Chem. Soc.</i> , 114, 9200-9202 (1992)				
RR	AY	HOLMES et al., "Models for the Binding Site in Bromoperoxidase: Mononuclear Vanadium (V) Phenolate Complexes of the Hydridotris(3,5-dimethylpyrazolyl)borate Ligand," <i>Inorg. Chem.</i> , 30, 1231-1235 (1991)				
RR	AZ	KANEKO et al., "Photochemical Cycloaromatization of Non-Benzenoid Enediynes," <i>Angew. Chem. Int. Ed.</i> , 38 (9), 1267-1268 (1999)				
RR	BA	KIM et al., "Rapid Bergman Cyclization of 1,2-Diethynylheteroarenes," <i>J. Org. Chem.</i> , 63, 8229-8234 (1998)				
RR	BB	KONIG et al., "Activation of Macroyclic Biaryl-Enediynes by Metal Ion Coordination," <i>Angew. Chem. Int. Ed. Engl.</i> , 34 (22), 2538-2540 (1995)				

Examiner Signature	<i>R. Karpinski</i>	Date Considered	6-27-01
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	09/913,924
				Filing Date	August 20, 2001
				First Named Inventor	Jeffrey M. ZALESKI
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
Sheet	3	of	7	Attorney Docket Number	212691

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U.S. PATENT DOCUMENTS						
Examiner Initials	Doc. No.	U.S. Patent Document		Name of Patentee or Applicant	Date of Publication	Filing Date If Appropriate
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FOREIGN PATENT DOCUMENTS								
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OTHER - NON PATENT LITERATURE DOCUMENTS							
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						Yes	No**
RR	B C	KONIG et al., "Synthesis, Structure, and Reactivity of Enediyne Macrocycles," <i>J. Org. Chem.</i> , 61, 4258-4261 (1996)					
RR	B D	KUSAKABE et al., "Conformation-Selective DNA Strand Breaks by Dynemicin: A Molecular Wedge into Flexible Regions of DNA," <i>Biochemistry</i> , 32, 11669-11675 (1993)					
RR	B E	LEE et al., "Calicheamicins, a Novel Family of Antitumor Antibiotics. 4. Structure Elucidation of Calicheamicins $\beta_1$ , $\gamma_1$ , $\alpha_2$ , $\alpha_3$ , $\beta_1$ , $\gamma_1$ , and $\delta_1$ ," <i>J. Am. Chem. Soc.</i> , 114, 985-997 (1992)					
RR	B F	LEET et al., "Chemistry and Structure Elucidation of the Kedarcidin Chromophore," <i>J. Am. Chem. Soc.</i> , 115, 8432-8443 (1993)					
RR	B G	LI et al., "Vanadium Complexes of the Tridentate Schiff Base Ligand N-Salicylidene-N'-(2-hydroxyethyl)ethylenediamine: Acid-Base and Redox Conversion between Vanadium (IV) and Vanadium (V) Imino Phenolates," <i>Inogr. Chem.</i> , 27, 4657-4664 (1988)					
RR	B H	LOCKHART et al., "Evidence for the Reactive Spin State of 1,4-Dehydrobenzenes," <i>J. Am. Chem. Soc.</i> , 103, 4091-4096 (1981)					
RR	B I	MAGNUS et al., "Synthetic and Mechanistic Studies on Esperamicin A <sub>1</sub> and Calicheamicin $\gamma_1$ . Molecular Strain Rather Than $\pi$ -Bond Proximity Determines the Cycloaromatization Rates of Bicyclo[7.3.1] Enediynes," <i>J. Am. Chem. Soc.</i> , 112, 4986-4987 (1990)					
RR	B J	MAIER, "Design of Enediyne Prodrugs," <i>Synlett</i> , 13-26 (1995)					
RR	B K	MARTHUR et al., "Cytosine Methylation Enhances DNA Damage Produced by Groove Binding and Intercalating Enediynes: Studies with Esperamicins A1 and C," <i>Biochemistry</i> , 36, 14868-14873 (1997)					
RR	B L	MINAMI et al., "Structure of an Aromatization Product of C-1027 Chromophore," <i>Tetrahedron Letters</i> , 34 (16), 2633-2636 (1993)					

Examiner Signature	<i>JK Raynor</i>	Date Considered	6-27-04
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U.S. PATENT DOCUMENTS						
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RR	B M	MYERS et al., "Design and Synthesis of a System of Enediyne Formation by Anthraquinone Reductive Activation," <i>J. Am. Chem. Soc.</i> , 114, 5859-5860 (1992)						
RR	B N	MYERS et al., "Total Synthesis of (+)-Neocazinostatin Chromophore," <i>J. Am. Chem. Soc.</i> , 120, 5319-5320 (1998)						
RR	B O	KAPPEN et al., "Replication Block by an Enediyne Drug-DNA Deoxyribose Adduct," <i>Biochemistry</i> , 38, 235-242 (1999)						
RR	B P	NICOLAOU et al., "Cyclic conjugated Enediynes Related to Calicheamicins and Esperamicins: Calculations, Synthesis, and Properties," <i>J. Am. Chem. Soc.</i> , 110, 4866-4868 (1988)						
RR	B Q	NICOLAOU et al., "Synthesis and Chemistry of Dynemicin A Models," <i>J. Am. Chem. Soc.</i> , 113, 3106-3114 (1991)						
RR	B R	NICOLAOU et al., "Enediyne Compounds equipped with Acid-, Base- and Photo-Sensitive Triggering Devices. Chemical Simulation of the Dynemicin A Reaction Cascade," <i>Angew. Chem. Int. Ed. Engl.</i> , 30 (8), 1032-1036 (1991)						
RR	B S	NICOLAOU et al., "Design, Synthesis, and Study of Simple Monocyclic Conjugated Enediynes. The 10-Membered Ring Enediyne Moiety of the Enediyne Anticancer Antibiotics," <i>J. Am. Chem. Soc.</i> , 114, 7360-7371 (1992)						
RR	B T	NICOLAOU et al., "Redox-Controlled Bergman Cycloaromatizations. Designed Enediynes with DNA-Cleaving Properties and Antitumor Activity," <i>J. Am. Chem. Soc.</i> , 114, 9279-9282 (1992)						
RR	B U	NICOLAOU et al., "Chemistry and Biology of Natural and Designed Enediynes," <i>Proc. Natl. Acad. Sci. USA</i> , 90, 5881-5888 (1993)						
RR	B V	O'BRIEN et al., "Action Spectra of the Antileukemic and Antiviral Activities of Merocyanine 540," <i>Photochemistry and Photobiology</i> , 54 (5), 851-854 (1991)						

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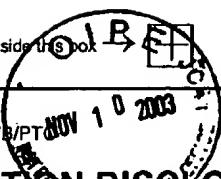
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		Yes	No**			
RR	B W	OSEROFF et al., "Strategies for Selective Cancer Photochemotherapy; Antibody-Targeted and Selective Carcinoma Cell Photolysis," <i>Photochemistry and Photobiology</i> , 46 (1), 83-96 (1987)				
RP	B X	PANDEY et al., "Porphyrin Dimers as Photosensitizers in Photodynamic Therapy," <i>J. Med. Chem.</i> , 33, 2032-2038 (1990)				
RP	B Y	PANDEY et al., "Synthesis, Photophysical Properties, <i>in Vivo</i> Photosensitizing Efficacy, and Human Serum Albumin Binding Properties of Some Novel Bacteriochlorins," <i>J. Med. Chem.</i> , 40, 2770-2779 (1997)				
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RP	C A	RESSLER et al., "Creating New Photosensitizers for Cancer Therapy," <i>Chemtech</i> , 28 (3), 39-45 (1998)				
RP	C B	SCHREINER, "Cyclic Enediynes: Relationship between Ring Size, Alkyne Carbon Distance, and Cyclization Barrier," <i>Chem. Commun.</i> , 483-484 (1998)				
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RP	C D	SESSLER et al., "Texaphyrins: Synthesis and Applications," <i>Acc. Chem. Res.</i> , 27, 43-50 (1994)				
RP	C E	SHAIN et al., "The Synthesis and Reactivity of a Novel 10-Membered Azaenediye," <i>Tetrahedron Letters</i> , 38 (34), 6067-6070 (1997)				

Examiner Signature	<i>RP Karpow</i>	Date Considered	6-27-04
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U.S. PATENT DOCUMENTS						
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		Yes	No**			
RR	CF	SHAIR et al., "The Total Synthesis of Dynemicin A Leading to Development of a Fully Contained Bioreductively Activated Enediyne Prodrug," <i>J. Am. Chem. Soc.</i> , 118, 9509-9525 (1996)				
RR	CG	SHIRAKI et al., "Visible Light Induced DNA Cleavage by the Hybrid Antitumor Antibiotic Dynemicin A," <i>Biochemistry</i> , 29, 9795-9798 (1990)				
RR	CH	SMITH et al., "The Enediyne Antibiotics," <i>Journal of Medicinal Chemistry</i> , 39 (11), 2103-2117 (1996)				
RR	CI	SUGIURA et al., "DNA Intercalation and Cleavage of an Antitumor Antibiotic Dynemicin that Contains Anthracycline and Enediyne Cores," <i>Proc. Natl. Acad. Sci. USA</i> , 87, 3831-3835 (1990)				
RR	CJ	TURRO et al., "Photochemical Analogue of the Bergman Cycloaromatization Reaction," <i>Tetrahedron Letters</i> , 35 (44), 8089-8092 (1994)				
RR	CK	WARNER et al., "Controlled Acceleration and Inhibition of Bergman Cyclization by Metal Chlorides," <i>Science</i> , 269, 814-816 (1995)				
RR	CL	WELLS, "Cancer Gets the Red Light. Pharmacyclics, Inc.," <i>Chemistry &amp; Biology</i> , 4 (10), 775-776 (1997)				
RR	CM	WENDER et al., "A Photochemically Triggered DNA Cleaving Agent: Synthesis, Mechanistic and DNA Cleavage Studies on a New Analog of the Antitumor Antibiotic Dynemicin," <i>J. Org. Chem.</i> , 58 (22), 5867-5869 (1993)				
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Examiner Signature	R. Parise	Date Considered	6-29-04
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\* A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).

+ An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).

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## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(Use as many sheets as necessary)*

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**Complete If Known**

Application Number 09/913,924

**Filing Date** August 20, 2001

First Named Inventor Jeffrey M. Z.

**Group Art Unit**

Examiner Name \_\_\_\_\_ Unassigned \_\_\_\_\_

Examiner Name: Glassigned  
Attorney Docket Number: 212621

## U.S. PATENT DOCUMENTS

U.S. PATENT DOCUMENTS					
Examiner Initials	Doc. No.	U.S. Patent Document		Name of Patentee or Applicant	Date of Publication
		Application or Patent Number	Kind Code		

## FOREIGN PATENT DOCUMENTS

#### OTHER - NON PATENT LITERATURE DOCUMENTS

**Examiner Signature**

**Date Considered**

6-27-04

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